

5. Useful Links

5.1 User Notes

The Census Bureau posts user notes to share information concerning errors in or corrections to the TIGER/Line Shapefiles. Examples of such errors are duplicate records or missing attribute information.

User notes are located on the main TIGER/Line Shapefile webpage: <https://www.census.gov/geo/maps-data/data/tiger-line.html>.

User notes are unique to each release of TIGER/Line Shapefiles. Click on the appropriate year's tab to find that year's user notes.

5.2 Help Documents

Additional information about each geographic entity, available as a TIGER/Line Shapefile, is in several formats. For basic definitions, visit the Geographic Terms and Concepts page: <https://www.census.gov/geo/reference/terms.html>.

This site provides definitions of geographic terms and concepts for geographic entities found in the TIGER/Line Shapefiles and other U.S. Census Bureau data products.

For more in depth information, blog posts and brochures offer a more detailed look at some of the geographic entities available in shapefile format. Blog posts can be found here: <https://www.census.gov/geo/education/blogs.html>.

Brochures are located here: <https://www.census.gov/geo/education/brochures.html>.

For specific information about each state's geographic entities, history, rankings, and more, you can read the Guide to State and Local Census Geography pages here: <https://www.census.gov/geo/reference/geoguide.html>.

Definitions for several of the codes found in the attributes of the TIGER/Line Shapefiles are located in the following links:

Legal/Statistical Area Description (LSAD) Codes: <https://www.census.gov/geo/reference/lsad.html>

Class (CLASSFP) Codes: <https://www.census.gov/geo/reference/class.html>

Functional Status (FUNCSTAT) Codes: <https://www.census.gov/geo/reference/funcstat.html>

Route Type (RTTYP) Codes: <https://www.census.gov/geo/reference/rttp.html>

5.3 Additional TIGER Products for use in a GIS

5.3.1 TIGER Geodatabases

TIGER Geodatabases are spatial extracts from the U.S. Census Bureau's MAF/TIGER database for use with Esri's ArcGIS. The geodatabases contain both national and state coverage for boundaries and features. These files provide a way for data users to access larger amounts of geographic data with one download, however, the files are large. Technical documentation for the TIGER Geodatabases is available. These files are available here:

<https://www.census.gov/geo/maps-data/data/tiger-geodatabases.html>.

5.3.2 TIGER/Line Shapefiles and Geodatabases with Demographic Data

A limited set of TIGER/Line Shapefiles and TIGER Geodatabases are available with demographic data, including the 2010 Census and the American Community Survey. These files attempt to make GIS analysis and thematic mapmaking easier because they provide the data user with the geography and demographic data in one download. Each file also contains a metadata file to provide additional information about the demographic data included. Access these files here:

<https://www.census.gov/geo/maps-data/data/tiger-data.html>.

5.3.3 Cartographic Boundary Files

The cartographic boundary files are simplified representations of selected geographic areas from the Census Bureau's MAF/TIGER database. The Census Bureau designs these boundary files specifically for small-scale, thematic mapping. In addition, these generalized files are clipped to the shoreline to show a simplified version of the U.S. outline. Cartographic boundary files are available in shapefile format for the 2010 Census, Census 2000, and selected geographies for other years. In addition, they are available in shapefile and KML format beginning in 2013 and updates will be released annually one year after their corresponding TIGER/Line Shapefile release. KML stands for keyhole markup language and is a file format used to display geographic data in a tool such as Google Earth and Google Maps. The cartographic boundary files have less attribute information than the TIGER/Line Shapefiles and are not available for all the same geographic entities as the TIGER/Line Shapefiles. They can be downloaded from the following webpage:

<https://www.census.gov/geo/maps-data/data/tiger-cart-boundary.html>.

Table 5: 2020 Census Prototype Shapefile file name definitions

File Name	Shapefile/Relationship File
ADDR	Address Range Relationship File
ADDRFN	Address Range-Feature Name Relationship
AIANNH	American Indian / Alaska Native / Native Hawaiian Areas
AITSN	American Indian Tribal Subdivision National
ANRC	Alaska Native Regional Corporation
AREALM	Area Landmark
AREAWATER	Area Hydrography
BG	Block Group
CD	Congressional District
CONCITY	Consolidated City
COUNTY	County
COUSUB	County Subdivision
EDGES	All Lines
ELSD	Elementary School District
FACES	Topological Faces (Polygons with All Geocodes)
FACESAH	Topological Faces-Area Hydrography Relationship File
FACESAL	Topological Faces-Area Landmark Relationship File
FEATNAMES	Feature Names Relationship File
LINEARWATER	Linear Hydrography
PLACE	Place
POINTLM	Point Landmark
PRISECROADS	Primary and Secondary Roads
ROADS	All Roads
SCSD	Secondary School Districts
SLDL	State Legislative District – Lower Chamber
SLDU	State Legislative District – Upper Chamber
STATE	State and Equivalent
SUBBARRIO	Subbarrios (Subminor Civil Divisions)
TABBLOCK	Census Tabulation Block
TRACT	Census Tract
UGA	Urban Growth Area
UNSD	Unified School District
VTD	Voting District